

Location of British Geological Survey Borehole Records





RECORD OF BOREHOLE No: **20A**

Location : *NEATH VALLEY SEWER*
Contract No. : *459*
Type of Boring : *Shell and Auger.*
Date (started) : *30.6.69*

Borehole Dia : *6"*
Casing : *6" to 22'-0"*
Ground Level : *20.92' O.D.*

Date & Time	Depth of Casing	Water Level	SAMPLES			STRATA		DESCRIPTION OF STRATA
			Depth	Type	No.	Legend	Depth	
			2'-6"	D	1			7'-0" MADE GROUND (Loose ashes)
			5'-0"	D	2			
			7'-6"	D	3			
							7'-0"	1'-6" Loose c.m.f. SAND and GRAVEL with silty clay.
							8'-6"	
			10'-0"—11'-6"	U	4			
			12'-6"	D	5			
			15'-0"—16'-6"	U	6			
			17'-6"	D	7			9'-6" Soft dark grey silty CLAY with some fine sand.
			20'-0" (N=6)	D	8			4'-0" Loose dark grey sandy SILT.
(30.6.69) 1630	22'-0"	22'-0"	22'-6" (N=29)	D W	9 10		22'-0"	1'-0" Medium dense clayey GRAVEL with angular sand.
							23'-0"	
						End		

REMARKS:

Ground water seepage first encountered at 7'-0" B.G.L.

SCALE 1" = 5'

Foundation Engineering Ltd.

SS 79NW/81A
NGR: 7467
9742
DIA. OF CORE: 6 INS. TO 81 FT.
INS. TO FT.
SHEET 1 OF 3
SCALE OF LOG: 1" = 5 FT.
INCLINATION: VERTICAL
GROUND LEVEL: 16.0' O.D. (4.9m)
TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Sampling		Not. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
			Type	Depth			
22-7-67	16.0	0				Gray soft Clay.	
			U(4)	2' 0"	50		
			D	3' 6"	31		
			D	4' 0"	33		
				5' 0"	36		
			U(4)	6' 6"	33		
	9.0	7' 0" (2.1m)	D	7' 0"	34	4' 0" Water first encountered 22-7-67	
			D	9' 0"	55	-changing to blue Clay.	
			D	12' 0"	39		
			D	14' 0"	72		
			D	16' 0"	43		
			D	18' 0"	48		
			D	20' 0"	47		
			D	22' 0"	38		
			D	24' 0"	46		
23-7-67			C(28)	26' 0"		Borehole at this level, Water level at 9' 0".	
			D	28' 0"	50		
			C(35)	31' 0"			
	-16.0	32' 0" (9.8m)	D	32' 0"	25		
	-19.0	35' 0" (10.7m)	C(3)*	34' 0"		Very dense coarse medium and fine Gravel with some Cobbles and Boulders.	

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets in Tests No. of Blows

Δ Indicative Penetration in lbs. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

U = Uplift Test

C = Compression Test

CB = Compression Test



LOCATION: 1000 YD. N. OF STATION 1000, 1000 SS 79NW/81A

LOCATION: 1000 YD. N. OF STATION 1000, 1000

GROUND LEVEL: 16.0' O.D. (4.9m)

DIA. OF CASING: 6 INS. TO 81 FT.

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 2 OF 3

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Type	Sampling		Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth		
	-19.0	35' 0" (10.7m)	D		36' 0"	Very dense coarse medium and fine Gravel with some Cobbles and Boulders.	
	-22.0	38' 0" (11.6m)	D		38' 0"	Very dense medium and fine Gravel.	
	-24.0	40' 0" (12.2m)	C(2.5")		40' 0"		
24.7.67	-26.0	42' 0" (12.8m)	D		42' 0"	Borehole at this level, Water level at 6' 0"	
			D		44' 0"	Very dense coarse medium and fine Gravel with some Cobbles and Boulders and a little coarse Sand.	
			C(3")*		45' 0"		
			D		46' 0"		
25.7.67	-32.0	48' 0" (14.6m)	D		48' 0"	Borehole at this level, Water level at 6' 0"	
			C(2.5")*		50' 0"		
26.7.67	-36.0	52' 0" (15.9m)	D		52' 0"	Borehole at this level, Water level at 4' 0"	
			D		54' 0"		
			C(3")*		55' 0"		
			D		56' 0"		
			D		58' 0"		
			C(5")*		60' 0"		
			D		62' 0"		
27.7.67	-48.0	64' 0" (19.5m)	D		64' 0"	Borehole at this level, Water level at 3' 0"	
			C(6.5")*		65' 0"		
			D		66' 0"		
			D		68' 0"		
-54.0		70' 0" (21.3m)	C(7")*		70' 0"		

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TK = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compression Test

Ch = Chemical Test

Borehole No. 56

PROBABLE CAUSE - INADEQUATE TRUNK ROAD, A465 SS 79NW/81A

LOCATION: 100 YARDS S. OF A. 100 YARDS, ADDITIONAL SOIL ALLEY (WIDE 10)

DATE OF WORK: 16-01-00 (4-9m)

DRILLING: 6 INS. TO 81 FT.

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 FT.

SHEET 3 OF 3

TYPE OF BORING: SHELL and AUGER

Date Boring	Reduced Level	Depth	Type	Sampling		No. m %	Description and remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
28-7-67	54.0	70' 0" (21.3m)					Very dense coarse medium and fine Gravel with some Sand, Cobbles and Boulders.	
			D		72' 0"			
			D		74' 0"			
			C(4")*		75' 0"			
			D		76' 0"			
			D		78' 0"		Borehole ends.	
			C(3")* D		80' 0"			
	65.0	81' 0" (24.7m)						

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

C() = Consolidation Test

O() = Oedometer Test

Figures in Brackets indicate No. of Bore

% indicates Penetration in lbs. for 50 Bore

V = Van Nostrand

TX = Triaxial Test

CV = Consolidation Test

1 = Index Test

O = Compression Test

CH = Chemical Test

N.G.R. 7467 9742

PAGE 1 OF 1

PROJECT: KATH-ARLWYLLNY TRUNK ROAD, A465 SS 79 NW 86
LOCATION: ARLWYLLNY - LLANDARCY, ADDITIONAL SOIL SURVEY (ROUTE 3) NGR 7462 9122
GROUND LEVEL: 15.5' O.D. (4.72m) DIA. OF CASING: 6 INS. TO 100 FT.
REDUCTION: VERTICAL INS. TO FT.
SCALE OF LOG: 1" = 5 ft. SHEET 1 OF 3

TYPE OF BORING: SHELL and AUGER

Date Progress	Revised Level	Depth	Type	Sampling		Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth		
1-8-67	15.5	0				Grey brown Peaty Top Soil.	
			D		1' 0"	58	
	13.5	2' 0"			2' 0"	50	
		(0.6m)	U(4)		3' 6"	45	
			D		5' 0"	43	
			C(20)		6' 0"		
			Δ		7' 0"		
			D		8' 0"	41	
					12' 0"	44	
	2.5	13' 8"			13' 0"		
		(8.9m)	C(50)				
			D				
					18' 0"		
			D				
2-8-67	-4.5	20' 0"			20' 0"		
		(6.1m)	C(48)				
			D		23' 0"		
7-8-67	-9.5	25' 0"			25' 0"		
		(7.6m)	C(5")				
8-8-67	-14.5	30' 0"			30' 0"		
		(9.1m)	C(6")				
	-18.5	34' 0"			35' 0"		
		(10.4m)	C(31)				

CONTINUED Dense grey Clayey Sand, Gravel and some Cobbles.

U(4) = 4" Pin, Undisturbed Sample
D = Disturbed Sample
Δ = Water Sample
S() = Standard Penetration Test
C() = Cone Penetration Test
Figures in Brackets Indicate No. of Blows
x. Indicates Penetration in ins. for 50 blows
V = Vane Test

TX = Triaxial Test
CV = Consolidation Test
I = Index Test
O = Compression Test
CH = Chemical Test

Dr. Hole No. 63



PROJECT NAME: - FERNVINDY TROUGH A465 SS 79 NW/86

LOCATION: ABERNETHY - LLANDRACY, ADDITIONAL SOIL NO. NGR 7462 9722

GROUND LEVEL: 15.5' O.D. (4.72m) DAY OF BORING: 6 HOURS: 100 FT.

INCLINATION: VERTICAL INS. NO. FT.

SCALE OF LOG: 1" = 5 ft. SHEET 2 OF 3

TYPE OF BORING: SHELL and AUGER

Duty Progress	Reduced Level	Depth	Log	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
	-19.5	35' 0" (10.7m)					Dense grey Clayey Sand, coarse medium and fine Gravel, and some Cobbles.	
	-22.5	38' 0" (11.6m)					Grey soft Clay with inclusions of Peat.	
				U(4)	40' 0"	36		
				D	41' 6"	311 53		
	-27.5	43' 0" (13.1m)					Very dense coarse medium and fine Gravel with some Cobbles and Boulders.	
				C(4)*	44' 0"			
				D	45' 0"			
9.8.67								
				C(7)*	49' 0"			
				C(8)*	54' 0"			
				D	55' 0"			
				C(15)*	60' 0"			
				C(13)*	64' 6"			
				D	65' 0"			
-54.5	(21.3m)	70' 0"		C(8)*	69' 6"		CONTINUED	

U(4) = 4" Dia. Undisturbed Sample

D/ = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in lbs. per 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compression Test

Ch = Chemical Test



PROJECT: BEATH - ABERDEEN TRUNK ROAD, A66 SS 79 NW/86

LOCATION: ABERDEEN - ILANDRACY, ADDITIONAL SOIL SURVEY (SITE NO) NGA 7462 9122

GROUND LEVEL: 15.5' O.D. (4.72m)

DIA. OF CASING: 6 INS. TO 100 FT.

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 3 OF 3

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Penetration	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
10.8.67	-54.5	70' 0" (21.3m)					<i>Borehole at this level</i> <i>Water level at 5' 0"</i> <i>Very dense coarse medium and fine Gravel with occasional Boulders and Cobbles.</i>	
				C(4)*	74' 0"			
				O	75' 0"			
				C(5)*	79' 0"			
				C(10)*	84' 0"			
				O	85' 0"			
	-74.5	90' 0" (27.4m)		C(35)	91' 0"		<i>Dense grey Silty medium Sand.</i>	
				C(55)	96' 0"			
	-85.5	100' 0" (30.5m)		C(60)	100' 0"		<i>Borehole ends.</i>	

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

× Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borehole No. 63

PROJECT: NEATH - ABERAVERNEY TRUNK ROAD, 7.255

SS 79 NW/87.

CONTROL: ADRI CAL - LANDRACY, ADDITIONAL SOIL SURVEY (NOTE 1)

NGR 1464.
9719

GROUND LEVEL: 3.7' O.D. (1.14m)

DIA OF CASING: 6 INS. TO 70 FT.

COLLIMATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 1 OF 2

TYPE OF BORING: SHELL and AUGER

Date Progress	Reduced Level	Depth	Type	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
9-8-67	3.7	0					Water first encountered at G.L.	
				D	2' 6"		Very dense coarse medium and fine Gravel, Cobbles and Boulders.	
10-8-67	-1.3	5' 0" (1.5m)		D C(11")*	5' 0"			
				D C(15")*	10' 0"			
				D C(13")*	15' 0"			
				D C(17")*	20' 0"			
				D C(15")*	25' 0"			
				D C(11")*	30' 0"			
11-8-67	-29.3	33' 0" (10.1m)						

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borehole No. 64

PROJECT: KEATH - ABERGLENNEY TRUNK ROAD, A 955 SS 79 NW/87

LOCATION: ABERDULAIS - LLANDARCY, ADDITIONAL SOIL SURVEY (ROUTE 10)

GROUND LEVEL: 3.7' O.D. (1.14m)

DIA. OF CABLE : 6 IN. TO 70 FT.

INCLINATION : VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 2 OF 2

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Legend	Sampling		Not. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
		31.3	35' 0" (10.7m)	C(41)	35' 0"		Grey dense Silty Sand.	
		34.3	38' 0" (11.6m)	C(9)*	40' 0"		Very dense coarse medium and fine Gravel, with some Cobbles and Boulders.	
				C(4)*	45' 0"			
12-8-67		46.3	50' 0" (15.2m)	D	50' 0"		Grey loose medium and fine Sand.	
				C(10)	51' 0"			
				D	52' 6"			
				D	55' 0"			
				C(7)	56' 0"			
				D	57' 6"			
				D	60' 0"			
				C(8)	61' 0"			
				D	62' 6"			
				D	65' 0"			
				D	67' 0"			
-66.3				C(10)	70' 0"		Borehole ends.	

U(4) = 4" Dia. Undisturbed Sample

0. # Disturbed Sample

△ = Water Sample

S () = Standard Penetration Test

C () = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in ins. for 50 Blows

V = Vane Test

TX = Trioxiol Test

CV = Consolidation Test

Index Test

0 = Compaction Test

Ch = Chemical Test

New York, N.Y. 64

PROJECT: NEATH - ABERGAVENNY TRUNK ROAD, A465 SS 79 NW/88

LOCATION : ABERDULAIS - LLANDARCY, ADDITIONAL SOIL SURVEY (ROUTE 11) 9718.

GROUND LEVEL: 1.8' O.D. (0.53m)

DIA. OF CASING : 6 IN. TO 54 FT

INCLINATION : VERTICAL

INS. TO 57.

SCALE OF LOG: 1" = 5 ft.

SHEET 1 OF 2

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Legend	Sampling		Nat. m %	Description and Remarks, Including Water Observations.	Key to Laboratory Tests
				Type	Depth			
3-8-67	1.8	0					Dense and very dense coarse medium and fine Gravel with some Cobbles and Boulders.	ch.
				Δ	2' 0"			
				C(31)	6' 0"			
				D	7' 0"			
				C(6")*	10' 0"			
4-8-67	-13.2	15' 0" (4.6m)		C(9")*	15' 0"		Borehole at this level Water level at 3' 0"	
				D	17' 0"			
				C(7")*	20' 0"			
				C(4")*	25' 0"			
5-8-67	-25.2	27' 0" (8.2m)		D	27' 0"		Borehole at this level Water level at 3' 0"	
				C(4")*	30' 0"			

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

△ = Water Sample

S () = Standard Penetration Test

C () = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vano Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borchole No. 65

PROJECT: NEATH - ABERGAVENNY TRUNK ROAD, A465 SS 79 NW/88

LOCATION: ABERDEEN - LLANDARCY, ADDITIONAL SCH. : ITALY, 1951-1952

GROUND LEVEL 1.8' O.D. (0.53m)

P.A. OF CREDIT: 6 11 54 PM

INCLINATION : VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 2 OF 2

TYPE OF BORING: SHELL and AUGER

Duty Progress	Reduced Level	Depth	P.C.	Sampling		Nat. m %	Description and Remarks, Including Water Observations.	Key to Laboratory Tests
				Type	Depth			
		35' 0"	(10.7m)	C(55)	36' 0"		Dense and very dense coarse medium and fine Gravel with some Cobbles and Boulders.	
				D	37' 0"			
				C(54)	41' 0"			
				C(67)*	46' 0"			
				D	47' 0"		Borehole at this level Water level at 4' 0"	
6-8-67				C(97)*	50' 0"			
-50.7	52' 6"		X X				Grey dense Silty Sand.	
-52.2	54' 0"		X X	C(48)	54' 0"		Borehole ends.	

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S () = Standard Penetration Test

C () = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50' Blows

✓ - Vane Test

TX = Triaxial test

CV = Consolidation Test

I = index Test

0 = Compaction Test

Ch = Chemical Test

Berbath: 44. 65

PROJECT: NEATH-ABERGAVENNY TRUNK ROAD, A465 SS 79 NW/89

LOCATION: ABERDULAI - LLANDARCY, ADDITIONAL SOIL SURVEY (ROUTE 'J') NGR 7474 9716

GROUND LEVEL: 19.7' O.D. (5.99m)

DIA. OF CASING: 6 INS. TO 30.3 FT.

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 1 OF 1

TYPE OF BORING: SHELL and AUGER

Dolly Progress	Reduced Level	Depth	Legend	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
18.7.67	19.7	0					Iron ore slag (Refuse).	
	15.7	(1.2m) 4' 0"		D	4' 0"	22	Gravel and Clay. 5ft. Water first encountered 18.7.67	
	14.7	6' 0" (1.5m)		C(5.4)	6' 0"		Very dense, coarse, medium and fine Gravel with some Cobbles, Boulders and grey Clay with Clinker and Ash.	I.
				C	8' 0"	13		
				C(5.5)	11' 0"			
	7.2	12' 6" (3.81m)		D	12' 0"	38	Very dense, coarse, medium and fine Gravel.	
	5.7	14' 0" (4.27m)		D	14' 0"			
19.7.67				C(3.5)*	15' 0"			
				D	16' 0"			
							Borehole at this level Water level at 5' 0"	
20.7.67	1.7	18' 0" (6.5m)		D	18' 0"			
				C(4.7)* D	20' 0"			
							Borehole at this level Water level at 3' 0"	
21.7.67	-2.3	22' 0" (6.7m)		D	22' 0"			
				D	24' 0"			
22.7.67	-5.3	25' 0" (7.6m)		C(4.5)*	25' 0"		Borehole at this level Water level at 5' 0"	
				D	26' 0"			
				D	28' 0"			
	-10.7	30' 4" (9.27m)		C(4.5)* D	30' 0"		Borehole ends.	

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borehole No. 66

PROJECT: MEATH - ADENGAVENTNY TRUNK ROAD, A465

SS 79 NW 90

LOCATION: ADENGAVENTNY - LEANDARCY, ADDITIONAL SOIL SURVEY (ROUTE 'J')

N.G.R. 1488

9714

GROUND LEVEL: 20.1' O.D. (6.43m)

DIA. OF CASING: 6 INS. TO 41 FT.

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 1 OF 2

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Legend	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
18.7.67	20.1	0					Fill (Railway ballast and Slag).	
	16.1	4' 0" (1.2m)		D	4' 0"		Fill (Clay, Gravel and Boulders).	
				C(4)*	5' 0"			
				D	8' 0"			
19.7.67	10.1	10' 0" (3.1m)		C(2)*	10' 0"		Borehole at this level Water met at same level.	
				D	13' 0"			
	5.1	16' 0" (4.6m)		C(3)*	15' 0"		Very dense coarse medium and fine Gravel with some Sand, Cobbles and Boulders.	
				D	16' 0"			
20.7.67	2.1	18' 0" (5.5m)		D	18' 0"		Borehole at this level Water level at 10' 0"	
				C(2.25)*	20' 0"		- with a trace of Clay	
				D	22' 0"			
				D	24' 0"			
				C(3)*	25' 0"			
21.7.67	-5.9	26' 0" (7.9m)		D	26' 0"		Borehole at this level Water level at 10' 0"	
				C(2.5)*	30' 0"			
				D	32' 0"			
				D	34' 0"			

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borehole No. 67

SS. 79 NC/90.

INS TO FT.

2 2

Borehole No 67.



PROJECT: PLANT-HIDE-CONCRETE TRUCK, A465, 99 79 NW 91.

LOCATION: ABERDEEN - LLANDAREY, ADDITIONAL SOIL SAMPLE (TYPE 1) NGR 7492 915.

GROUND LEVEL: 25.4' O.D. (7.72m) DIST. OF CASSIA: 6 INS. TO 40 FT.

INCLINATION: VERTICAL INS. TO FT.

SCALE OF LOG: 1" = 5 FT. SHEET 1 OF 2

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Log	Sampling		Net m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
25-7-67	25.4	0					Boulders, Slag, Wood, Ash and Metal Fill.	
				D	2' 6"			
				C(7)	5' 0"			
	18.4	7' 0" (2.1m)		C(12)*	7' 0"		Dense and very dense, coarse, medium and fine Gravel with Cobbles, Boulders and a little Silty Clay.	
				C(11)*	10' 0"			
				C(12)*	15' 0"			
				C(5)*	20' 0"			
26-7-67				C(13)*	25' 0"		Borehole at this level. Water level at 20' 0"	
				C(10)*	30' 0"			
				C(15)*	35' 0"			

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CY = Consolidation Test

I = Index Test

U = Compaction Test

Ch = Chemical Test

Borehole No. 68

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the original of this page of the log is not available in the NGRC

PROJECT: NEW - LINDSAY TRUNK ROAD, A465 SS 79NW/93

LOCATION: ABERDEEN - LINDSAY, ADDITIONAL SOIL EXPL. NGR. 7472 9718

GROUND LEVEL: 21.6' O.D. (6.58m) DIA. OF CASING: 6. INS TO 110 FT.

INCLINATION: VERTICAL INS. TO FT.

SCALE OF LOG: 1"=5 FT.

SHEET 1 OF 4

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Legend	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Ref. to Laboratory Tests
				Type	Depth			
25-7-67	21.6	0					Fill (Rubble, Hardcore, Ashes).	
				C(11)	3' 6"			
				C(60)	6' 0"			
14.1	7' 6"	(2.29m)		C(6) D	8' 6" 9' 0"		Loose Clayey Sand and Gravel.	
11.6	10' 0"	(3.1m)		U(4) D	10' 0" 11' 6" 12' 0"	41 45	Gray firm Silty Clay with traces of Organic matter.	
7.6	14' 0"	(4.3m)		Δ C(3)* D	13' 0" 15' 0" 16' 0"		Very dense coarse, medium and fine Gravel with some Cobbles, Boulders and Clay.	
26-7-67				C(5)*	20' 0"			
				C(33) D	26' 0"			
				C(73)*	30' 0"			

CONTINUED

U(4) = 4" Dia. Undisturbed Sample
D = Disturbed Sample
Δ = Water Sample
S() = Standard Penetration Test
C() = Cone Penetration Test
Figures in Brackets indicate no. of Blows
* Indicates Penetration in Ins. for 50 Blows
V = Vane Test

TX = Triaxial Test
CV = Consolidation Test
I = Index Test
O = Compaction Test
Ch = Chemical Test

Drill No. 79

*PROJECT: NEARBY - ACHIBVENNY TRUNK RIVER A 465 SS 79 NW/93

LOCATION: ABERDULAIS - Llangarcy, ADDITIONAL SOIL SURVEY (ROUTE 'D')

GROUND LEVEL: 21.6' O.D. (4.58m)

DIA. OF CASING : 6 IN. TO 110 FT.

INCLINATION : VERTICAL

MS. TO FR.

SCALE OF LOG: 1"=5 ft.

SHEET 2 OF 4

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Lithology	Sampling		Nat. m %	Description and Remarks, including Water Observations	Ref. to Laboratory Tests
				Type	Depth			
-13.4	35' 0" (10.7m)		C(6")* D	35' 0" 36' 0"		Very dense coarse medium and fine Gravel with some Cobbles, Boulders and Sand.		
			C(5")* O	40' 0"				
27.7.67 -20.4	42' 0" (12.8m)		C(4")* D	45' 0" 46' 0"				
28.7.67 -26.4	48' 0" (14.6m)		C(7")* O	50' 0"				
			C(6")* D	55' 0" 56' 0"				
			C(3")* O	60' 0"				
			C(8")* D	65' 0" 66' 0"				
29.7.67 -45.4	67' 0" (20.4m)		D	68' 0"				
							Borehole at this level Water level at 12' 0"	
CONTINUED								

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = a Disturbed Sample

Δ = Water Sample

S () = Standard Penetration Test

C () = Cone Penetration Test

Figures in Brackets Indicate No. of Rows

* Indicates Penetration in Ins. for 50 Blows

Y = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

0.5. Compaction Test

Ch = Chemical Test

Borchardt: 100 724



PROJECT: NEATH - ABERDAVENNY TRUNK ROAD, A465. SS 97NW/93

LOCATION: ABERDAVENNY - LLEINVAENY, ADDITIONAL SOIL SURVEY (ROUTE 4)

GROUND LEVEL: 21.6' O.D. (6.58m)

NO. OF CASINGS: 6 1/2" TO 110"

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1"=5 ft.

SHEET 3 OF 4

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Legend	Sampling		No. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
30.7.67	48.4	70' 0" (21.3m)		D	70' 0"		Borehole at this level Water level at 12' 0" Coarse medium and fine Gravel with some Cobbles and Boulders.	
31.7.67	53.4	75' 0" (22.9m)		D C(45)	75' 0"		Borehole at this level Water level at 12' 0" Dense to very dense grey medium and fine Sand with lenses of Clay.	
				D	77' 0"			
				D	80' 0"			
				C(43)	81' 0"			
				D	82' 6"			
				D	85' 0"			
				C(48)	86' 0"			
				D	87' 6"			
1.8.67	68.4	90' 0" (27.4m)		D	90' 0"			
				C(67)	91' 0"			
				D	92' 6"			
				D	95' 0"			
				C(112)	96' 0"			
				D	97' 6"			
				D	100' 0"			
				C(113)	101' 0"			
				D	102' 6"			

CONTINUED

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borehole No. 72



PROJECT: NEATH - ABERCAVENNY TRUNK ROAD, A465 SS 97 NW 93

LOCATION: ABERDULAIS - LLANDARCY, ADDITIONAL SOIL SURVEY (ROUTE J)

GROUND LEVEL: 21.6' O.D. (6.58m)

DIA. OF CASING: 6 INS. TO 110 FT.

INCLINATION: VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 4 OF 4

TYPE OF BORING: SHELL and AUGER

Dolly Progress	Reduced Level	Depth	Legend	Sampling		Nat. m %	Description and Remarks, including Water Observations.	Key to Laboratory Tests
				Type	Depth			
	-83.4	105' 0" (32.0m)		D	105' 0"		Dense to very dense gray medium and fine Sand with lenses of Clay.	
				D	107' 6"			
	-88.4	110' 0" (33.5m)		C(105)	111' 0"		Borehole ends.	
CONTINUED								

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Δ = Water Sample

S() = Standard Penetration Test

C() = Cone Penetration Test

Figures in Brackets Indicate No. of Blows

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

I = Index Test

O = Compaction Test

Ch = Chemical Test

Borehole No 72

PROJECT: KATHI - BERGAVENNY TRUNK ROAD, A-05 SS 79N15h

LOCATION: ABERDULACH - LLANDRACY, ADDITIONAL: SOIL SURVEY (P. 11)

GROUND LEVEL: 16.4' O.D. (5.00m)

DIA OF CANNON : 6 IN. TO 60 FT.

INCLINATION : VERTICAL

INS. TO FT.

SCALE OF LOG: 1" = 5 ft.

SHEET 2 OF 2

TYPE OF BORING: SHELL and AUGER

Daily Progress	Reduced Level	Depth	Legend	Sampling		No. m %	Description and Remarks, Including Water Observations.	Key to Laboratory Tests
				Type	Depth			
	-18.6	35' 0" (10.7m)		C(5.5")*	35' 0"		Borehole at this level Water level at 4' 0"	
3-8-67			D		37' 0"		Very dense coarse medium and fine Gravel with some Boulders and Cobbles, and a trace of Clay.	
				C(4")*)	40' 0"			
			D		43' 0"		Borehole at this level Water level at 2' 0"	
4-8-67				C(6.5")*	45' 0"			
			D		47' 0"			
				C(7")*	50' 0"			
			D		53' 0"			
				C(4.5")*	55' 0"			
			D		57' 0"			
-13.6	60' 0" (18.3m)			C(4.5")*	60' 0"		Borehole ends.	

U(4) = 4" Dia. Undisturbed Sample

D = Disturbed Sample

Water Sample

3() 4 Standard Penetration Test

G() = Cone Generation Test

Flowers in Brackets Indicate No. of Biomes

* Indicates Penetration in Ins. for 50 Blows

V = Vane Test

TX = Triaxial Test

CV = Consolidation Test

Index Test

0 = Compression Type

CH = Chemical Feeds

Danzon No. 55



Earlswood Materials Laboratory

Lab. Ref.
277/90

Borehole No. 8

Sheet No. 1 of 2.
Depth 0 to 10 metres.

Equipment and Methods
Light cable tool percussion utilising 200mm diameter
equipment to 16.0m

Job : A 465 SETTLEMENT

SS 79NW 251

Ground Level Coordinates
m. A.O.D

Dates
28/11/90 - 5/12/90

7384 9717

Strata Descriptions

Asphalt, concrete together with hardcore. (MADE
GOUND)

1m brown sandy gravelly CLAY with Cobbles and
casional Boulders. (Fill material)

1ft greyish brown silty CLAY with some organic
matter.

medium dense brown and black silty fine medium
sand.

Borehole Continued

General Remarks
Drilling from 1.3 to 1.7m, 3.3 to 3.65m, 4.2 to 4.8m, 5.6 to
6.1 to 6.6m, 12.0m, 12.6 to 1.9, 13.7 to 13.95m and 14.4 to
15.0m. Extensometer installed. With magnets at 5.6, 8.3 and
10.0m together with a datum magnet at the base of the hole.

Key
Sample Types
U Undisturbed
D Disturbed
B Bulk Disturbed
W Water
J Jar
In-Situ Tests
S SPT Value
C CPT Value
* No Penetration
V Vane Test
Is Point Load Index

Logged by
JCO

Scale
10m/sheet

• Earlswood Materials Laboratory

Lab. Ref.
277/90

Borehole No. 8

Sheet No. 2 of 2.
Depth 10 to 20 metres.

Equipment and Methods
Eight cable tool percussion utilising 200mm diameter
equipment to 16.0m

Job : A 465 SETTLEMENT

SS 79NW 251

Ground Level Coordinates
m. A.O.D

Dates
28/11/90 - 5/12/90

7384 9717

Strata Descriptions

Medium dense brown and black silty fine medium
SAND.

Medium dense greyish brown subrounded to subangular GRAVEL with Cobbles and occasional Boulders.

End of Borehole

General Remarks
Chiselling from 1.3 to 1.7m, 3.3 to 3.65m, 4.2 to 4.8m, 5.6 to
5.9m, 11.6 to 12.0m, 12.6 to 1.9, 13.7 to 13.95m and 14.4 to
14.8m. Extensometer installed with magnets at 5.5, 8.3 and
11.6m together with a datum magnet at the base of the hole.

Key

Sample Types

Sample types	
U	Undisturbed
D	Disturbed
B	Bulk Disturbed
W	Water
J	Jar

In-Situ Tests

S	SPT Value
C	CPT Value
*	No Penetration
V	Vane Test
Is	Point Load Index

Logged by
JCO

Scale
10m/sheet